

Eastern Region Energy-Water Needs Assessment Workshop

Abbreviations & Acronyms

By Group and in order of discussion

Group A

1. USGS – United States Geological Survey
2. LNG – Liquefied Natural Gas
3. MW – Megawatt
4. SCR – Selective Catalytic Reduction (pollution control)
5. CO₂ – Carbon Dioxide
6. EPA – Environmental Protection Agency
7. CA – California
8. EIA – Energy Information Administration
9. SC – South Carolina
10. gpd – Gallons per day
11. NE – Northeast
12. USDA – United States Department of Agriculture
13. regs – Regulations
14. NIMBY – Not In My Back Yard
15. gpm – Gallons per minute = $6.309 \times 10^{-8} \text{ m}^3/\text{sec}$
16. g/kW – Gallons per kilowatt = $3.785 \times 10^{-6} \text{ ms}^3/\text{kg}$
17. gal/kWh – Gallons per kilowatt hour = $0.0136 \text{ ms}^4/\text{kg}$
18. \$/gal – US Dollars per gallon
19. 1 C – One degree Celsius
20. O&M – Operations and Maintenance
21. AWWA – American Water Works Association
22. H₂O – Water
23. AMR – Automatic Meter Reading
24. \$ Effective – Cost effective
25. ICWP – Interstate Council on Water Policy
26. QA – Quality Assurance
27. GIS – Geographic Information System
28. DOE- Department of Energy
29. PSD – Public Service District
30. NOAA – National Oceanic and Atmospheric Administration

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Group B

1. reg- Regulatory
2. OCM – Organization for Competitive Markets
3. alt – alternate
4. RE – Renewable Energy
5. agr- Agricultural
6. TVA – Tennessee Valley Authority
7. econ – Economics
8. envir – Environment
9. NE – Northeast
10. NGas – Natural gas
11. ACE – Army Corps of Engineers
12. USGS – United States Geological Survey
13. RET – Return
14. RO – Reverse Osmosis
15. neg - Negative
16. EPA – Environmental Protection Agency
17. DOE – Department of Energy
18. EE – Energy Efficiency
19. SWAQ – Subcommittee on Water Availability and Quality
20. CEC – California Energy Commission
21. EERE – Energy Efficiency and Renewable Energy
22. 316 B – EPA Rule that governs intake, freshwater withdrawal
23. cogen- Co-Generation
24. R&D- Research and Development
25. MARKAL – acronym for software: MARKet Allocation
26. TMDL – Total Maximum Daily Load (discharge limits)
27. AMD – Abandoned Mine Drainage (impaired water)

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Group C

1. PM 10 – Particulate Matter:
Fugitive Dust Control of Fine Particulate Matter From Construction, Demolition, Excavation, and Extraction Activities (Rule 8020 of 1993; Amended April 25, 1996; Amended November 15, 2001)
2. CBM – Coal Bed Methane
3. TDS – Total Dissolved Solvents
4. ND – North Dakota
5. PJM – Pennsylvania, New Jersey, Maryland Interconnect
6. PURPA – Public Utilities Regulatory Policies Act (of 1978)
Pass as part of the National Energy Act to promote conservation of electric energy and more efficiently produced electricity. Additionally, PURPA created a new class of non-utility generators, small power producers, from which, along with qualified co-generators, utilities are required to buy power with the intent of providing equitable rates to electric consumers. . PURPA was in part intended to augment electric utility generation with more efficiently produced electricity and to provide equitable rates to electric consumers.
7. Synfuels – Synthetic fuels
8. SE – Southeast
9. EPA – Environmental Protection Agency
10. MW – Megawatt
11. SO_x – Sulfur Oxide
12. NO_x – Nitrogen Oxide
13. CO₂ – Carbon Dioxide
14. MTBE – Methyl Tertiary Butyl Ether (octane booster used for gasoline blending)
15. CAFÉ – Corporate Average Fuel Economy
Sales weighted fuel economy, expressed in miles per gallon
16. GIS – Geographic Information System
17. TVA – Tennessee Valley Authority
18. NE – Northeast
19. TMDL – Total Maximum Daily Load (discharge limits)

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Abbreviations & Acronyms

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Group D

1. econ- Economically
2. Alt – Alternative
3. tec – Technology
4. OTEC – Ocean Thermal Energy Conservation
5. NG – Natural Gas
6. lg – Large
7. qual – Quality
8. kn – Known; know; knowledge
9. Ag – Agriculture
10. ESA – Endangered Species Act
11. USGS – United States Geological Survey
12. D/n – Do not
13. USDA – United States Department of Agriculture
14. v – Versus
15. b/c – Because
16. DOE – Department of Energy
17. quant – Quantity
18. Mgmt – Management
19. GW – Ground water
20. PUC – Public Utility Commission
21. EPA – Environmental Protection Agency
22. NRC – National Research Council
23. ppb – Parts per billion
24. EDC – Endocrine Disrupting Compounds (drinking water contaminants)
25. PhAC – Pharmaceutically Active Compounds (drinking water contaminants)
26. evap – Evaporative
27. UV/O – Ultraviolet/ Ozone
28. 4M – 4 Million (gallons)
29. AWAARF - American Water Works Association Research Foundation
30. NPDES – Nation Pollutant Discharge Elimination System
A provision of the Clean Water Act which prohibits discharge of pollutants into waters of the United States unless a special permit is issued by EPA, a state, or, where delegated, a tribal government on an Indian reservation.

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Abbreviations & Acronyms

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Group E

1. RTO – Regional Transmission Organization
2. LNG – Liquefied Natural Gas
3. CO₂ – Carbon Dioxide
4. GMO – Genetically modified
5. IOU – Investor-Owned Utility
6. EPRI – Electric Power Research Institute
7. MTBE - Methyl Tertiary Butyl Ether (octane booster used for gasoline blending)
8. TMDL - Total Maximum Daily Load (discharge limits)
9. USGS - United States Geological Survey
10. S&T – Science and Technology
11. NEMS – National Energy Modeling System (software program)
12. MARKAL - acronym for software: MARKet Allocation
13. MI - Michigan
14. EPA – Environmental Protection Agency
15. DOE – Department of Energy
16. UN – United Nations
17. NOAA - National Oceanic and Atmospheric Administration
18. GA - Georgia
19. NRC - National Research Council
20. FL - Florida
21. SMBIR - Small Business Innovation Research (funding program)
22. MIT – Massachusetts Institute of Technology